of the second, third, and fourth developing modules 1630C, 1630M, and 1630Y are identical to that of the first developing module 1630K.

[0412] The transfer module 1640 may transfer (or copy) a toner image onto the print medium P fed by the feeding module 1610, and include the transfer belt 1641 for transferring the toner image of the photosensitive drum 1631 onto the print medium P.

[0413] The settlement module 1650 may settle the toner image transferred onto the print medium P with heat and pressure, and may include a heating roller 1651 for heating the print medium P with the toner image transferred thereon, and a pressing roller 1642 for pressing the print medium P with the toner image transferred thereon.

[0414] The image former 1600 may use the procedure of exposure-development-settlement to form an image on the print medium P while the print medium P is being fed.

[0415] The image processor 1200 may analyze or process the image acquired by the image acquirer 1100.

[0416] For example, the image processor 1200 may analyze the image acquired by the image acquirer 1100, and determine whether the acquired image is text or pictures. The image processor 1200 may analyze the image acquired by the image acquirer 1100, and determine whether the acquired image is a monochrome image e.g., only in white, black, and gray, or a color image e.g., in multiple colors.

[0417] Furthermore, the image processor 1200 may increase sharpness of the image acquired by the image acquirer 1100, or add a blurring effect onto the acquired image.

[0418] The image processor 1200 may include a graphic processor 1210 for performing operation to process the image acquired by the image acquirer 1100, and a graphic memory 1220 for storing a program or data related to computational operation of the graphic processor 1210.

[0419] The controller 1300 may control operation of the aforementioned image acquirer 1100, user interface 1400, storage 1500, and image processor 1200.

[0420] For example, the controller 1300 may control the image acquirer 1100 to acquire a monochrome image or color image depending on the image acquisition type, and may control the image acquirer 1100 to adjust the document feed speed or sensor moving speed depending on the image acquisition resolution.

[0421] Furthermore, the controller 1300 may control the image processor 1200 to increase sharpness of the image or add a blurring effect onto the image depending on whether the penetrated image PI is text or pictures.

[0422] The controller 1300 may include a control processor 1310 for performing operation to control operation of the image forming apparatus 1001, and a control memory 1320 for storing a program and data related to computational operation of the control processor 1310.

[0423] Another embodiment of the features of the image forming apparatus 1001 was described above.

[0424] Operation of the image acquiring apparatus 1001 according to the embodiment will now be described.

[0425] FIG. 29 is a flowchart illustrating an image forming method carried out by an image forming apparatus, according to an embodiment of the present disclosure.

[0426] An image forming method 1700 of the image acquiring apparatus 1001 is described in connection with FIG. 29.

[0427] The image forming apparatus 1001 receives an instruction from the user to acquire an image on a single side of the document D, in operation 1710.

[0428] For example, the user may put the document D on the input tray 1001c of the image forming apparatus 1001 with a side having an image OI to be acquired facing upward, and input an instruction to initiate image acquisition through the user interface 1400.

[0429] To help understand the present disclosure, it is assumed herein that an image is formed on the first side S1 of the document D.

[0430] The image forming apparatus 1001 acquires a penetrated image PI of the document D, in operation 1720. [0431] While the document D is being fed along the feed path FP, the second image sensor module 1120 of the image acquirer 1100 may obtain the penetrated image PI of the first side S1 through the second side S2.

[0432] The image forming apparatus 1001 then analyzes the penetrated image PI of the document D, in operation 1730.

[0433] The image processor 1200 of the image forming apparatus 1001 may receive image data of the penetrated image PI from the image acquirer 1100 and analyze the received image data of the penetrated image PI.

[0434] The image processor **1200** may determine whether the image of the document D is a text image or a picture image or whether the image of the document D is a monochrome image or a color image, based on analysis of the penetrated image PI.

[0435] The image processor 1200 may provide the result of analyzing the penetrated image PI to the controller 1300.

[0436] The image forming apparatus 1001 acquires an original image OI of the document D, in operation 1740.

[0437] The document D fed by the document feed device

1130 reaches the first image sensor module 1110, which is then able to acquire the original image OI formed on the first side S1 of the document D.

[0438] Before the first image sensor module 1110 obtains the original image OI of the document D, the controller 1300 may change settings about acquiring the original image OI depending on the result of analyzing the penetrated image PI.

[0439] For example, the controller 1300 may control the image acquirer 1100 to acquire a monochrome image or color image depending on whether the penetrated image PI is a monochrome image or color image, and control the image acquirer 1100 to adjust the document feed speed or sensor moving speed depending on whether the penetrated image PI is a text image or a picture image.

[0440] The image forming apparatus 1001 processes the original image OI of the document D, in operation 1750.

[0441] The image processor 1200 of the image forming apparatus 1001 may process the original image OI received from the image acquirer 1100 in real time, to make the image viewed more clearly to the user.

[0442] In this regard, the image processor 1200 may process the original image OI differently depending on the result of analyzing the penetrated image PI.

[0443] For example, if the result of analyzing the penetrated image PI reveals that the original image OI includes characters or symbols only, the image processor 1200 may perform image processing to increase sharpness of the image, and if the result of analyzing the penetrated image PI reveals that the original image OI includes pictures only, the